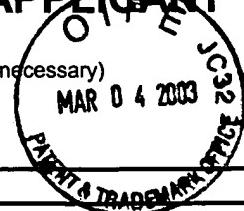


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Page 1 of 1



U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
MAR	A1	US- 3,941,901	03/02/1976	Harsch	
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			

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Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
MAR	B1	EP	0 457 607 A2	11/21/1991			
♦	B2	EP	0 770 889 A2	05/02/1997			
♦	B3	GB	2 324 881 A	11/04/1998			
♦	B4	GB	2 326 727 A	12/30/1998			
MAR	B5	GB	2 326 728 A	12/30/1998			
	B6						
	B7						

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
MAR	C1	Schadt M. et al.: "Photo-Induced Alignment and Patterning of Hybrid Liquid Crystalline Polymer Films on Single Substrates", <i>Jpn. J. Appln. Phys.</i> , Vol. 34 (1995) pp. L764-L767.
	C2	
	C3	

*Examiner: *M. Vaynsht*Date C nsidered: *8/8/03*

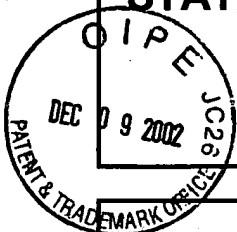
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Page 1 of 1

Application Number	09/965417
Filing Date	September 27, 2001
First Named Inventor	Allan, Richard C.
Art Unit	1732
Examiner Name	
Attorney Case Number	56233US002



U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
MDC	A1	US- 5,686,979	11/11/97	Weber et al.	
MUV	A2	US- 6,124,905	09/26/00	Iijima	
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			

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		Ctry. Code	Number-KindCode (if known)			
MUV	B1	PCT	WO01/79923	10/25/01		
	B2					
	B3					
	B4					
	B5					
	B6					
	B7					

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	C1	
	C2	
	C3	

*Examiner: *M. Vuagnat*Date Considered: *8/8/03*

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List of Patents and Publications for Applicant's

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Atty. Docket No.
56233US002Serial No.
09/965,417

Applicant

Richard Charles Allen, Christopher C. Bowley,
Stephen John Pankratz, Philip Edwin WatsonFiling Date:
September 27, 2001Group:
1732U.S. Patent Documents
See Pages 1-3Foreign Patent Documents
See Pages 3-4Other Art
See Page 4**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
Mdv	A1	3,213,753	10/26/65	Rogers	88	65	
	A2	3,914,017	10/21/75	Bedell et al.	350	154	
	A3	4,084,883	04/18/78	Eastman et al.	350	152	
	A4	4,133,775	01/09/79	Bloom	252	300	
	A5	4,166,871	09/04/79	Schuler	427	163	
	A6	4,521,080	06/04/85	Funada et al.	350	341	
	A7	4,591,512	05/27/86	Racich et al.	427	163	
	A8	4,886,332	12/12/89	Wolfe	350	96.12	
	A9	4,974,941	12/04/90	Gibbons et al.	350	349	
	A10	5,032,009	07/16/91	Gibbons et al.	350	341	
	A11	5,155,610	10/13/92	Hikmet et al.	359	75	
	A12	5,196,953	03/23/93	Yeh et al.	359	73	
	A13	5,206,752	04/27/93	Itoh et al.	359	106	
	A14	5,389,698	02/14/95	Chigrinov et al.	522	2	
	A15	5,486,884	01/23/96	De Vaan	353	122	
	A16	5,506,704	04/09/96	Broer et al.	359	63	
	A17	5,583,677	12/10/96	Ito et al.	349	118	
	A18	5,583,679	12/10/96	Ito et al.	349	118	
	A19	5,602,661	02/11/97	Schadt et al.	349	124	
	A20	5,619,352	04/08/97	Koch et al.	349	89	
	A21	5,635,105	06/03/97	Kawata et al.	252	299.01	
	A22	5,666,223	09/09/97	Bennett et al.	359	490	
	A23	5,691,789	11/25/97	Li et al.	349	98	
Mdv	A24	5,731,405	03/24/98	Gibbons et al.	528	353	

Examiner: *M. Vargat*Date Considered: *9/8/03*

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Applicant

Richard Charles Allen, Christopher C. Bowley,
Stephen John Pankratz, Philip Edwin WatsonFiling Date:
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1732

U.S. Patent Documents

See Pages 1-3

Foreign Patent Documents

See Pages 3-4

Other Art

See Page 4

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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
MOV	A25	5,751,388	05/12/98	Larson	349	96	
	A26	5,783,120	07/21/98	Onderkirk et al.	264	1.34	
	A27	5,784,139	07/21/98	Chigrinov et al.	349	117	
	A28	5,793,455	08/11/98	Nakamura	349	96	
	A29	5,793,456	08/11/98	Broer et al.	349	98	
	A30	5,798,808	08/25/98	Van Haaren et al.	349	96	
	A31	5,807,498	09/15/98	Gibbons et al.	252	299.4	
	A32	5,817,743	10/06/98	Gibbons et al.	528	353	
	A33	5,825,542	10/20/98	Cobb, Jr., et al.	359	487	
	A34	5,825,543	10/20/98	Onderkirk et al.	359	494	
	A35	5,838,407	11/17/98	Chigrinov et al.	349	187	
	A36	5,867,316	02/02/99	Carlson et al.	359	500	
	A37	5,882,774	03/16/99	Jonza et al.	428	212	
	A38	5,917,664	06/29/99	O'Neill et al.	359	831	
	A39	5,929,201	07/27/99	Gibbons et al.	528	353	
	A40	5,932,626	08/03/99	Fong et al.	522	182	
	A41	5,940,211	08/17/99	Hikmet et al.	359	490	
	A42	5,946,064	08/31/99	Lee	349	124	
	A43	5,958,292	09/28/99	Gibbons et al.	252	299.4	
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	A45	5,965,247	10/12/99	Jonza et al.	428	212	
	A46	5,965,691	10/12/99	Gibbons et al.	528	353	
	A47	5,978,055	11/02/99	Van DeWitte et al.	349	119	
MOV	A48	5,986,734	11/16/99	Winker et al.	349	123	

Examiner: *M. Vugay*Date C nsid red: *8/9/03*

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Atty. Docket No.
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09/965,417

Applicant

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Stephen John Pankratz, Philip Edwin WatsonFiling Date:
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1732U.S. Patent Documents
See Pages 1-3Foreign Patent Documents
See Pages 3-4Other Art
See Page 4**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
M&V	A49	5,995,184	11/30/99	Chung et al.	349	118	
↑	A50	6,001,277	12/14/99	Ichimura et al.	252	299.4	
	A51	6,043,337	03/28/00	Gibbons et al.	528	353	
	A52	6,044,196	03/28/00	Winston et al.	385	146	
	A53	6,061,113	05/09/00	Kawata	349	117	
	A54	6,061,138	05/09/00	Gibbons et al.	356	400	
	A55	6,064,457	05/16/00	Aminaka	349	117	
	A56	6,084,057	07/04/00	Gibbons et al.	528	353	
	A57	6,088,079	07/11/00	Kameyama et al.	349	185	
	A58	6,096,375	08/01/00	Ouderkirk et al.	427	163.1	
	A59	6,097,461	08/01/00	Sharp	349	121	
	A60	6,099,758	08/08/00	Verrall et al.	252	585	
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↓	A62	6,153,272	11/28/00	Kim et al.	428	1.5	
M&V	A63	6,160,597	12/12/00	Schadt et al.	349	98	

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Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
M&V	B1	0 940 705 A1	09/08/99	EP	G02F	1/1335	
↑	B2	0 961 138 A1	12/01/99	EP	G02B	5/30	
	B3	WO95/17303	06/29/95	PCT	B32B	7/02	
	B4	WO95/17691	06/29/95	PCT	G02B	5/30	
	B5	WO95/17692	06/29/95	PCT	G02B	5/30	
M&V	B6	WO95/17699	06/29/95	PCT	G02F	1/1335	

Examiner: *M. Vargat*Date Considered: *8/8/03*

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Atty. Docket No.
56233US002

Serial No.
09/965,417

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INFORMATION DISCLOSURE STATEMENT
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Applicant
Richard Charles Allen, Christopher C. Bowley,
Stephen John Pankratz, Philip Edwin Watson

Filing Date:
September 27, 2001

Group:
1732

U.S. Patent Documents See Pages 1-3	Foreign Patent Documents See Pages 3-4	Other Art See Page 4
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Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
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	B9	WO97/44409	11/27/97	PCT	C09K	19/38	
	B10	WO98/52077	11/19/98	PCT	G02B	5/30	
	B11	WO99/08148	02/18/99	PCT	G02F		
	B12	WO99/36262	07/22/99	PCT	B32B	27/00	
	B13	WO99/60073	11/25/99	PCT	C09K	19/56	
	B14	WO00/39633	07/06/00	PCT	G02F	1/1337	
↓	B15	WO00/39631	07/06/00	PCT	G02F	1/1335	
MOV	B16	2000/154261A	06/06/00	JP	C08J	5/18	Abstract Only

Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
MOV	C1	Benecke et al., "Determination of Director Distrbutions in Liquid Crystal Polymer-Films by Means of Generalized Anisotropic Ellipsometry", <i>J. Appl. Phys.</i> Vol. 39 pp. 525-531 (2000)
↑	C2	Chen et al., "Wide Viewing Angle Photoaligned Plastic Films for TN-LCDs" SID International Symposium (1999)
	C3	Scheffer et al., "Accurate determination of liquid-crystal tilt bias angles" <i>J. Appl. Phys.</i> Vol. 48 pp. 1783-1792 (1977)
	C4	Yeh, et al., "Jones Matrix Method", <i>Optics of Liquid Crystal Displays-</i> John Wiley & Sons, Inc., Chapter 4, pp. 103-151 (1999)
	C5	Yeh, et al., "Extended Jones Matrix Method", <i>Optics of Liquid Crystal Displays-</i> John Wiley & Sons, Inc., Chapter 8, pp. 306-355 (1999)
MOV	C6	Yeh, et al., "Optical Compensators for LCDs", <i>Optics of Liquid Crystal Displays-</i> John Wiley & Sons, Inc., Chapter 9, pp. 357-385 (1999)

Examiner: M. Vaygat

Date Considered: 9/8/03

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